

## INFLUENZA THERAPEUTIC

### Abstract

[00527] The present invention provides methods and compositions for inhibiting  
5 influenza infection and/or replication based on the phenomenon of RNA interference  
(RNAi) well as systems for identifying effective siRNAs and shRNAs for inhibiting  
influenza virus and systems for studying influenza virus infective mechanisms. The  
invention also provides methods and compositions for inhibiting infection, pathogenicity  
and/or replication of other infectious agents, particularly those that infect cells that are  
10 directly accessible from outside the body, e.g., skin cells or mucosal cells. In addition, the  
invention provides compositions comprising an RNAi-inducing entity, e.g., an siRNA,  
shRNA, or RNAi-inducing vector targeted to an influenza virus transcript and any of a  
variety of delivery agents. The invention further includes methods of use of the  
compositions for treatment of influenza.

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